

iOS ownCloud App

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Introduction



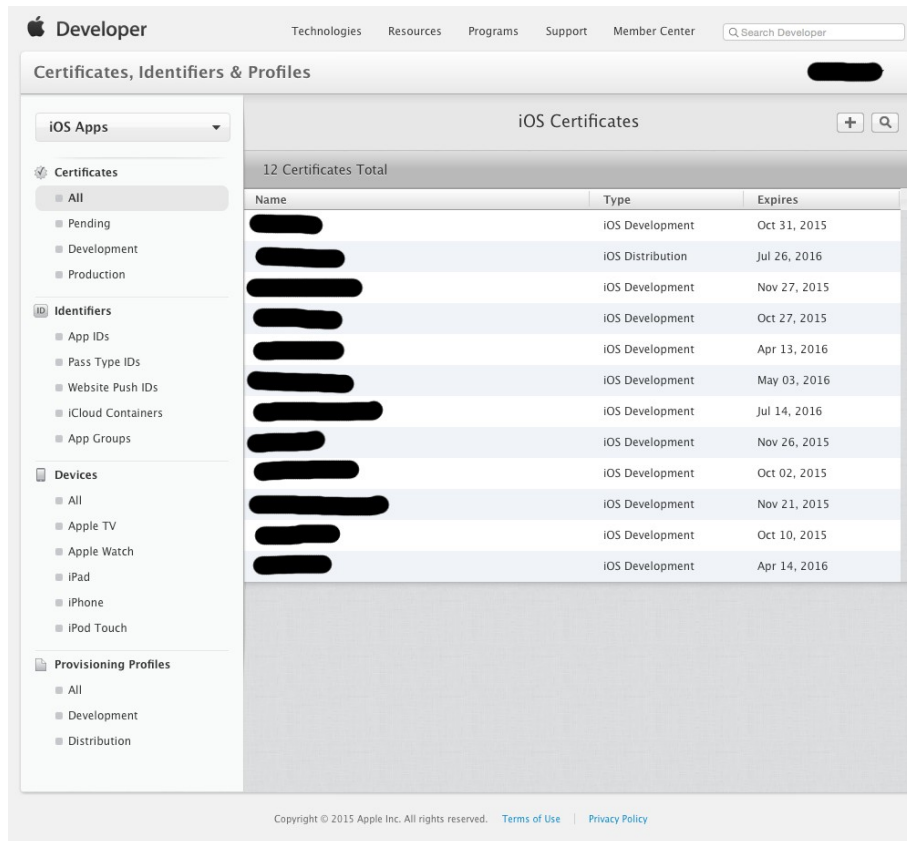
1. Config certificates
2. Set up Xcode
3. Describe architecture
4. Develop a Junior job together

Config Certificates



Apple Developer Member Center

- Go to the Certificates Web at the Member Center at: <https://developer.apple.com/>



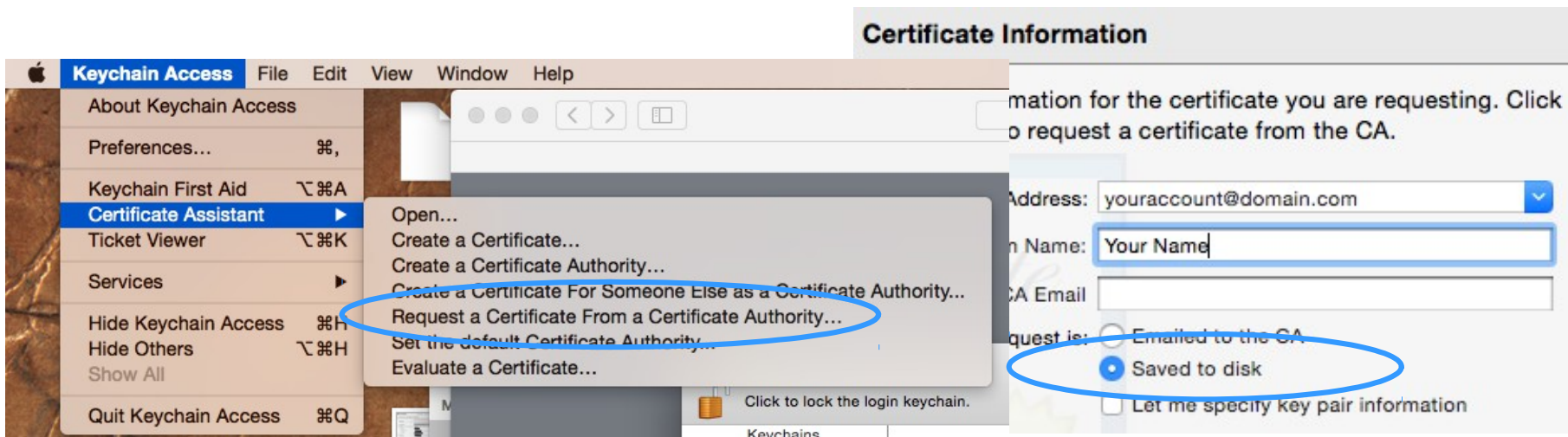
The screenshot shows the Apple Developer Member Center interface. The top navigation bar includes links for Technologies, Resources, Programs, Support, and Member Center. The main heading is 'Certificates, Identifiers & Profiles'. On the left, there is a sidebar with a dropdown menu set to 'iOS Apps'. Below this, there are sections for 'Certificates' (with sub-items: All, Pending, Development, Production), 'Identifiers' (with sub-items: App IDs, Pass Type IDs, Website Push IDs, iCloud Containers, App Groups), 'Devices' (with sub-items: All, Apple TV, Apple Watch, iPad, iPhone, iPod Touch), and 'Provisioning Profiles' (with sub-items: All, Development, Distribution). The main content area is titled 'iOS Certificates' and shows '12 Certificates Total'. A table lists the certificates with columns for Name, Type, and Expires. The names are redacted with black bars. The types are either 'iOS Development' or 'iOS Distribution'. The expiration dates range from April 14, 2016, to October 31, 2015.

Name	Type	Expires
[Redacted]	iOS Development	Oct 31, 2015
[Redacted]	iOS Distribution	Jul 26, 2016
[Redacted]	iOS Development	Nov 27, 2015
[Redacted]	iOS Development	Oct 27, 2015
[Redacted]	iOS Development	Apr 13, 2016
[Redacted]	iOS Development	May 03, 2016
[Redacted]	iOS Development	Jul 14, 2016
[Redacted]	iOS Development	Nov 26, 2015
[Redacted]	iOS Development	Oct 02, 2015
[Redacted]	iOS Development	Nov 21, 2015
[Redacted]	iOS Development	Oct 10, 2015
[Redacted]	iOS Development	Apr 14, 2016

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Create a Development Certificate

- Open KeyChain
- Select Keychain Access
- Certificate Assistant
- Request a Certificate from a Certificate Authority
- Save on disk after fill the fields



- Create 4 App Ids
 - **Main App Id.** Ex: com.mywebpage.owncloud.ios
 - **Document Provider.** Ex:
com.mywebpage.owncloud.ios.ownCloudExtApp
 - **Document Provider File Provider.** Ex:
com.mywebpage.owncloud.ios.ownCloudExtAppFileProvider
 - **Share In.** Ex: com.mywebpage.owncloud.ios.OC-Share-Sheet

App Group + App Id

- Modify the 4 App Ids adding the App Group



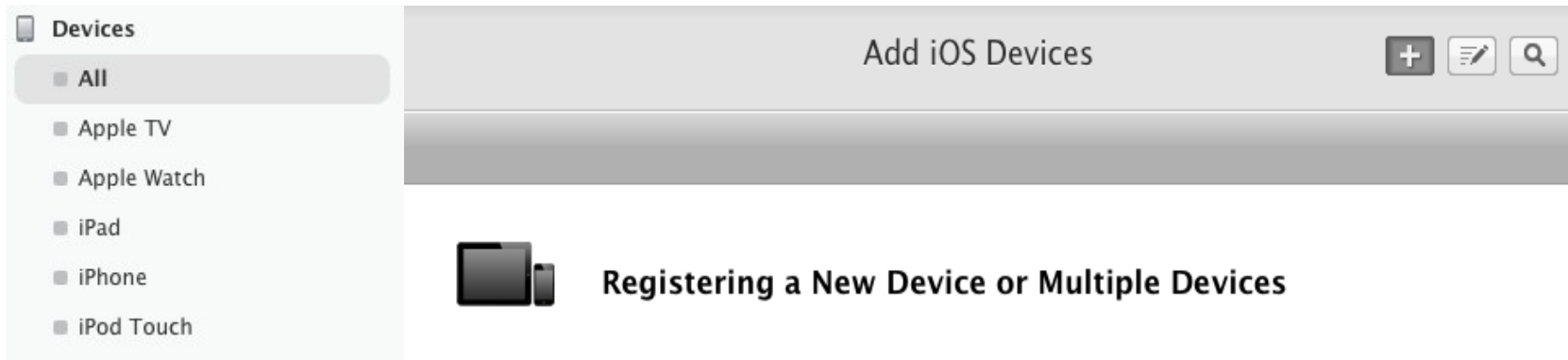
App Group Assignment.

Select the App Groups you wish to assign to the bundle.

<input type="checkbox"/>	Select All	1 of 3 item(s) selected
<input checked="" type="checkbox"/>	[Redacted]	[Redacted]
<input type="checkbox"/>	[Redacted]	[Redacted]
<input type="checkbox"/>	[Redacted]	[Redacted]


Add iOS Devices

- Add the UDIDs of the devices for develop



Provisioning Profiles

- Create the 4 Provisioning Profile for each App Id



Provisioning Profiles

- All
- Development
- Distribution

Add iOS Provisioning Profile

Select Type Configure Generate Download

What type of provisioning profile do you need?

Development

- iOS App Development
Create a provisioning profile to install development apps on test devices.

Set up Xcode



- Create a fork of the project at Git Hub
<https://github.com/owncloud/ios>

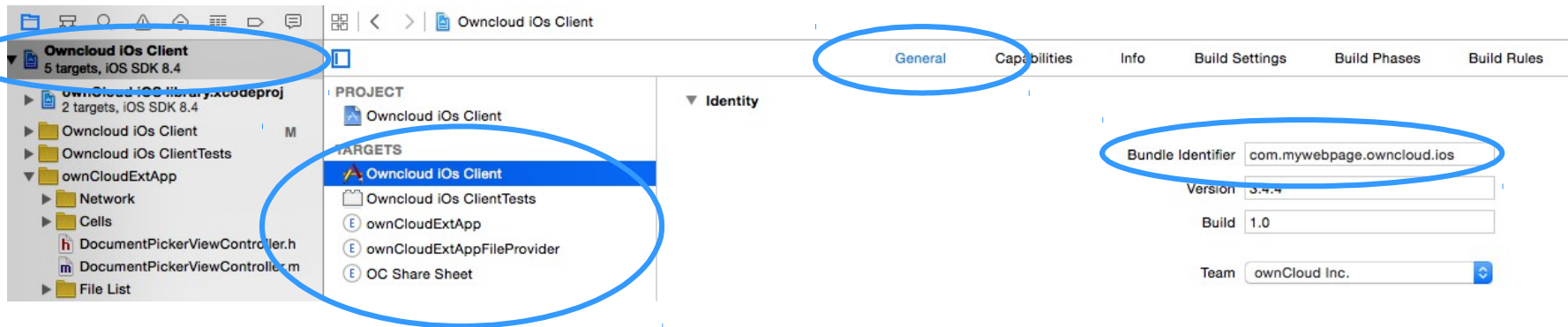


- Create the workshop branch using the Terminal:

```
git clone https://github.com/your_account/ios.git
git submodule init
git submodule update
git checkout -b workshop_your_name
git push origin workshop_your_name
```

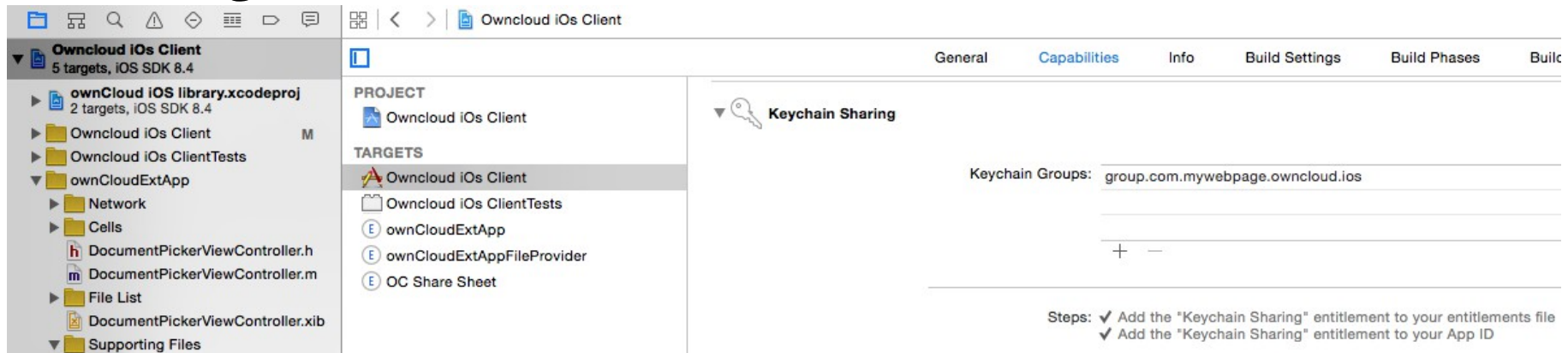
Bundles Identifier

- Change on all the Targets at the Project the Bundle Identifiers with the new ones




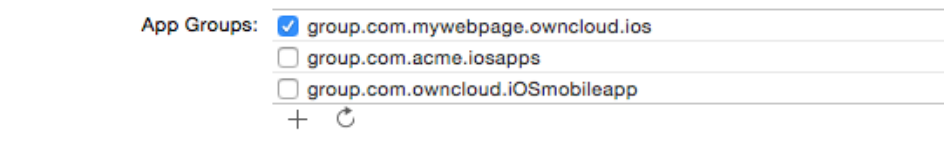
App Group

- Change on all the Targets at Capabilities the KeyChain Sharing



- Select your App Group on all the Targets

▼  App Groups



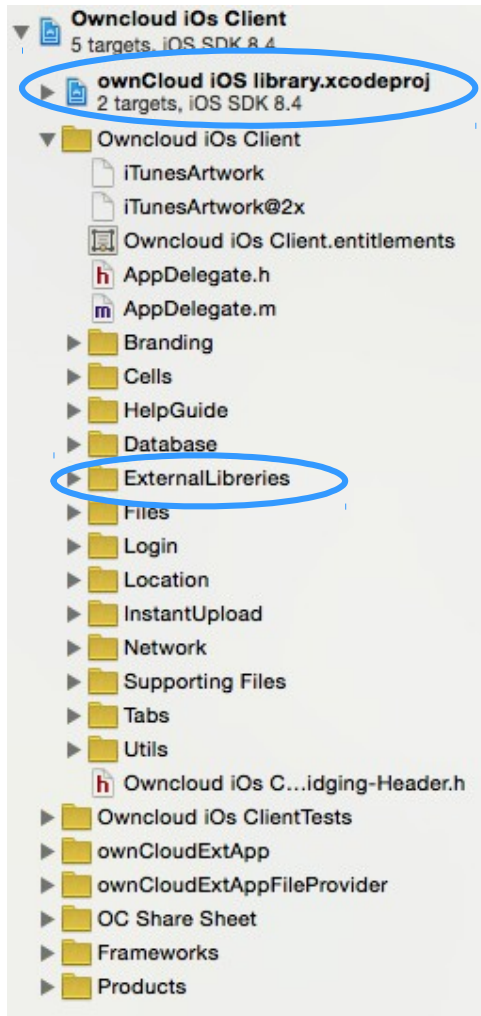
Steps: ✓ Add the "App Groups" entitlement to your entitlements file
✓ Add the "App Groups" entitlement to your App ID
✓ Add the "App Groups containers" entitlement to your App ID

- Upload your changes to your repository

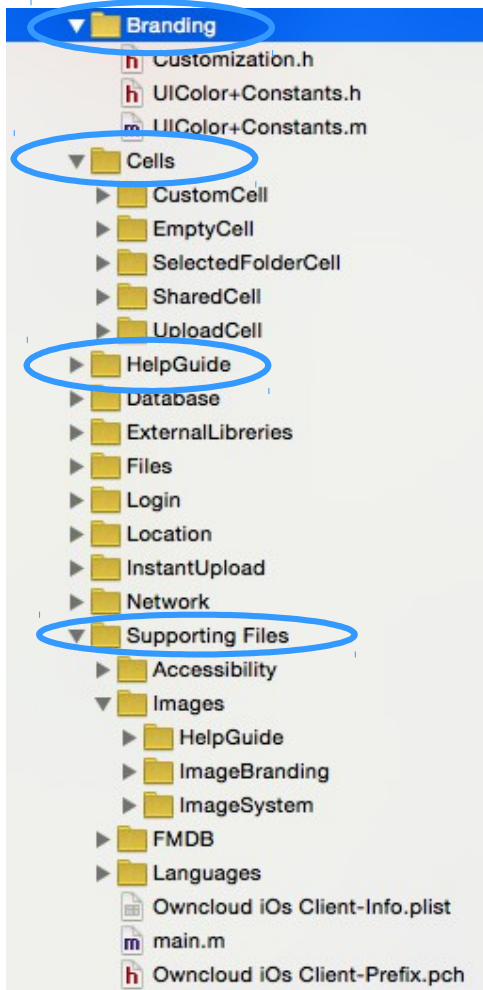
```
git commit -a -m "Added my certificates"  
git push origin workshop_your_name
```

Describe Architecture

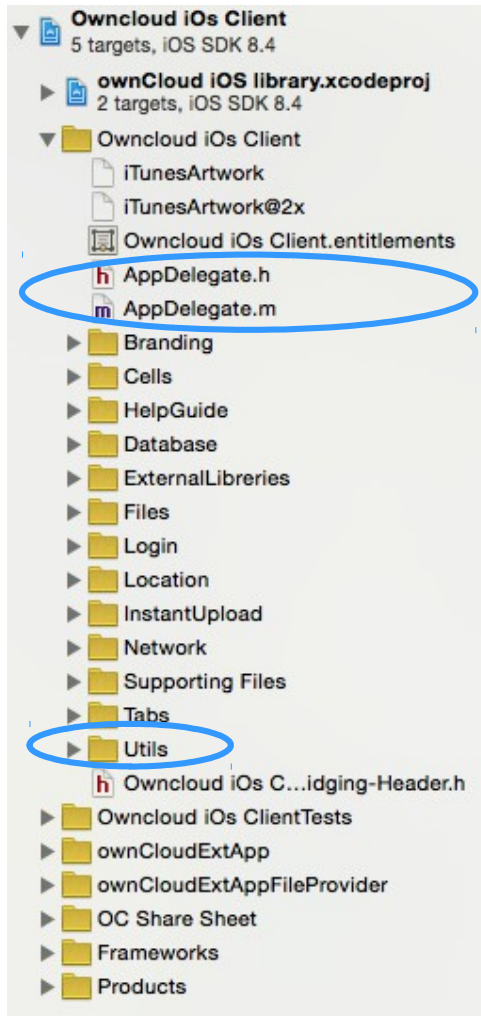




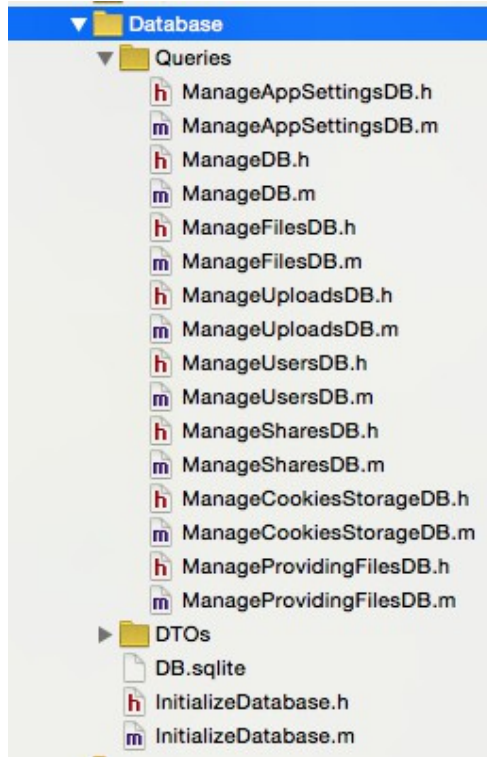
- Libraries
 - OC Library
 - External libraries



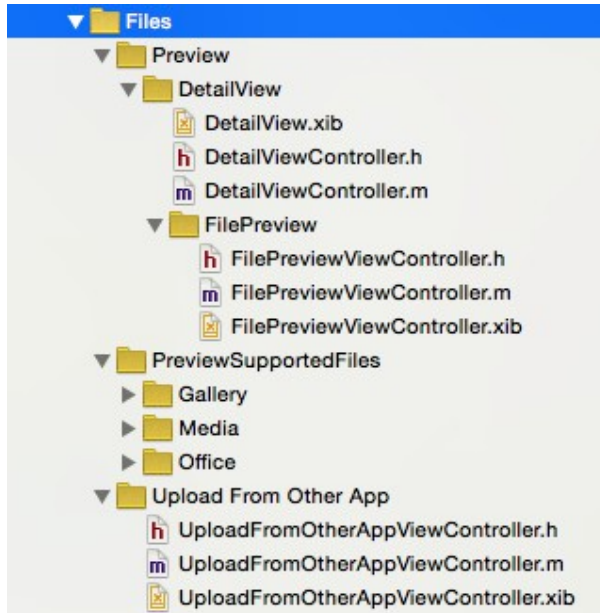
- Customize your app
 - Branding
 - Colors
 - Enable/disabled options
 - Set default values
 - Cells
 - Intro Help Guide
 - Supporting Files
 - Accessibility tags
 - Images
 - Languages
 - .plist



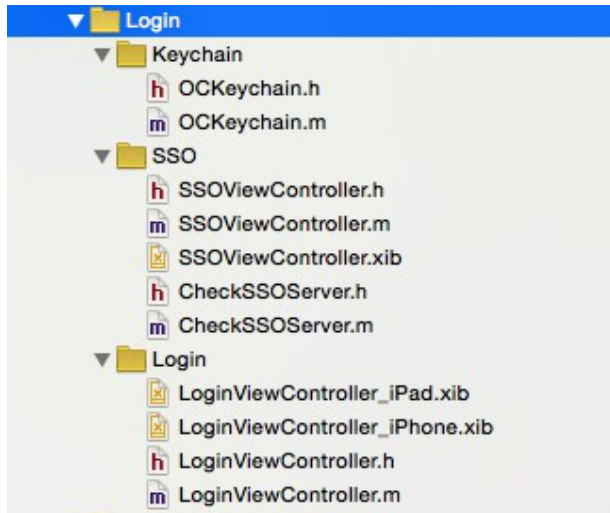
- Main and common methods
 - AppDelegate
 - Utils
 - Common Methods
 - Constants
 - Check Access to server
 - Manage Network errors



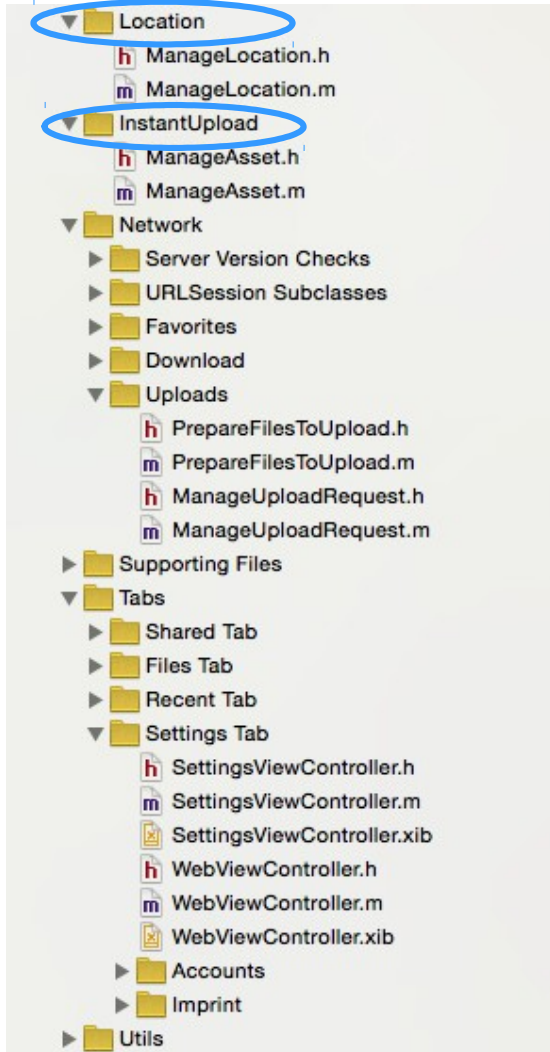
- Database
 - Initialize Database
 - DTOs
 - Queries



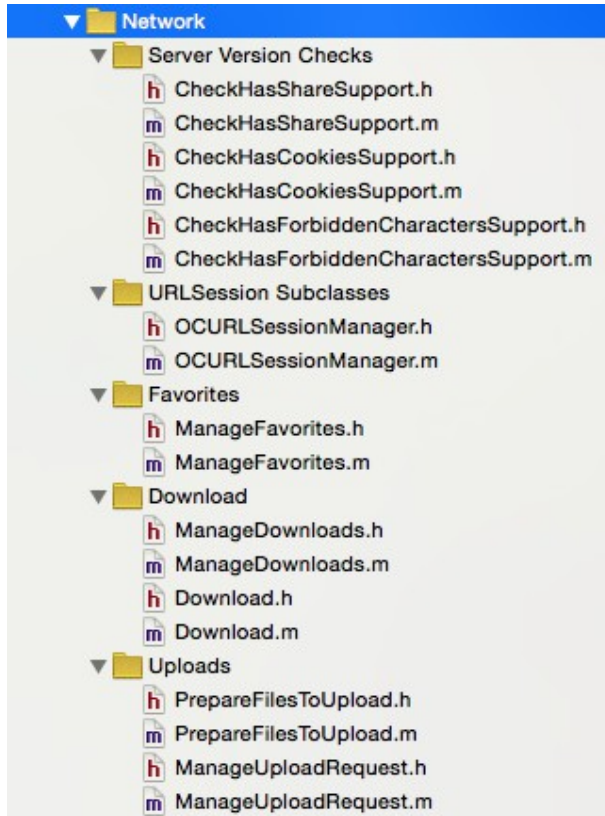
- Manage preview files
 - File Details
 - Gallery
 - Media
 - Office



- Login
 - Check if server is valid
 - Check SSO server
 - Store credentials in Keychain

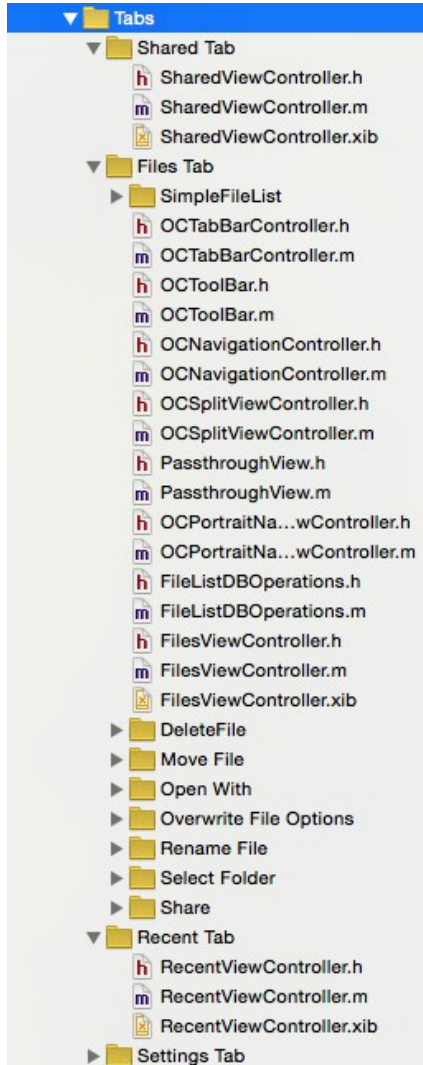


- Instant Uploads
 - Significant Changes in locations
 - Search new assets in camera roll



- Network

- Check features that support server
- Manage
 - Sessions
 - Favorites
 - Downloads
 - Uploads



- Tabs
 - Shared
 - Files
 - Recent
 - Settings

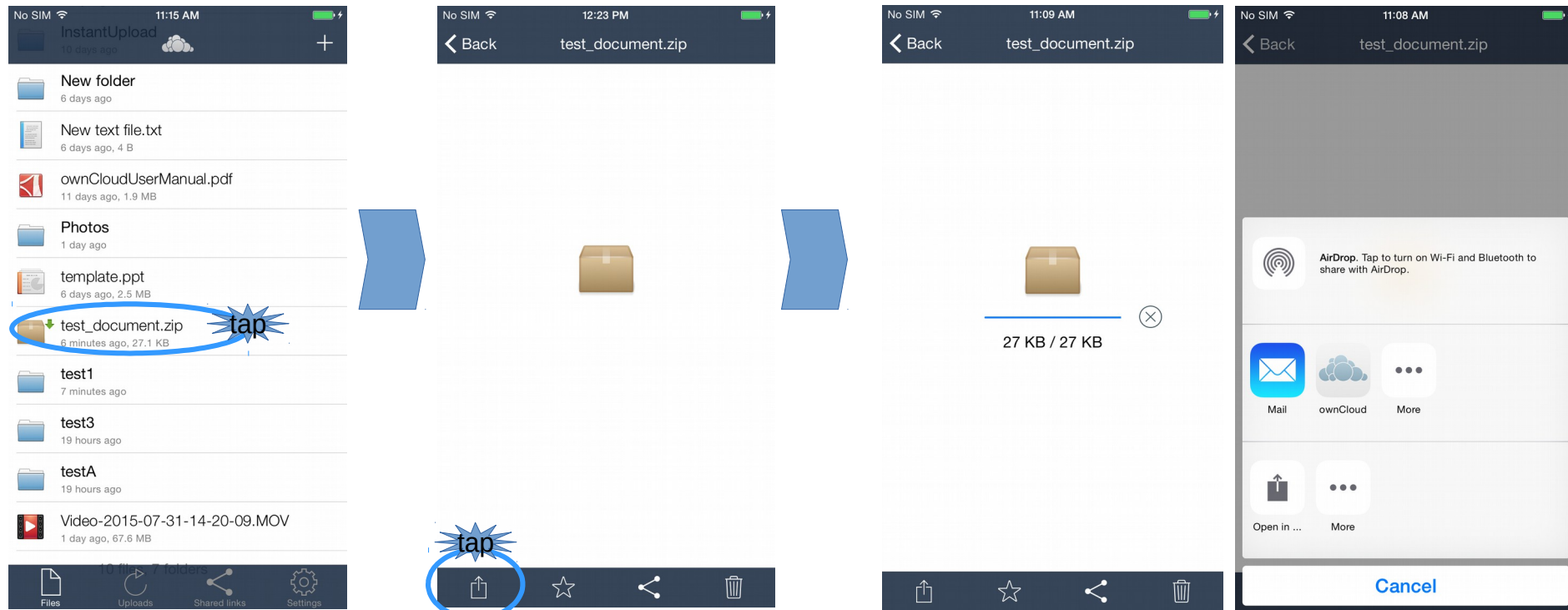
Develop a Junior Job



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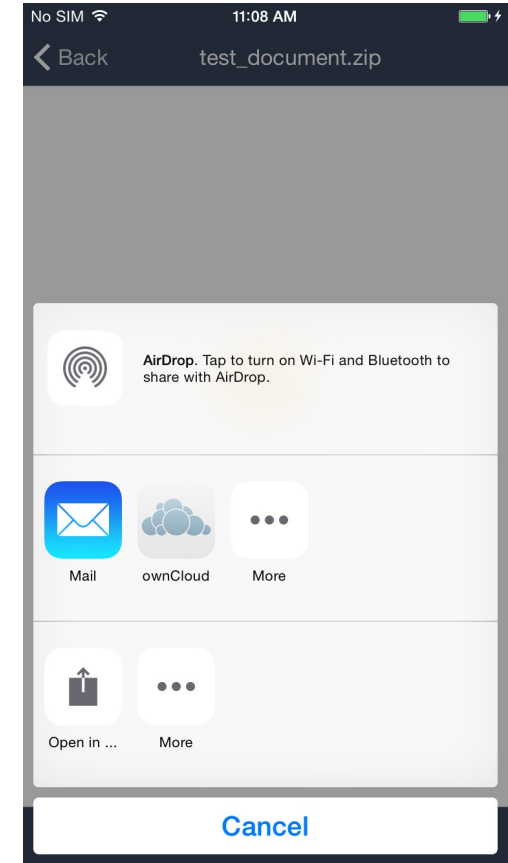
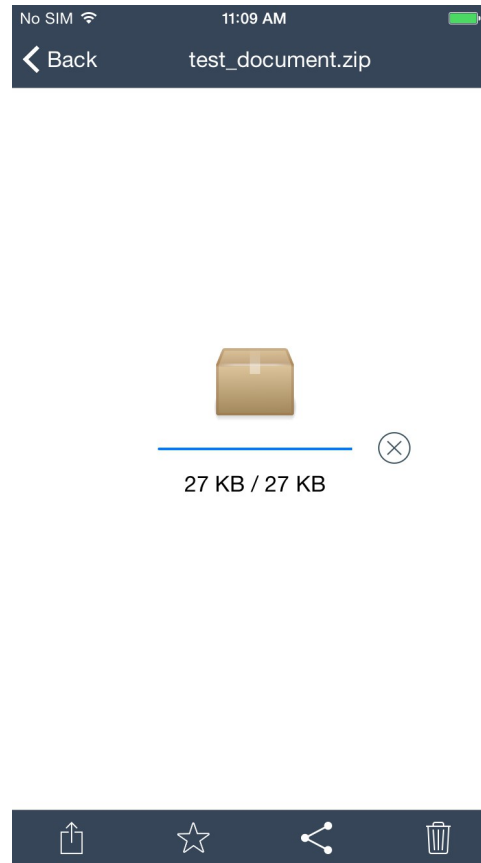
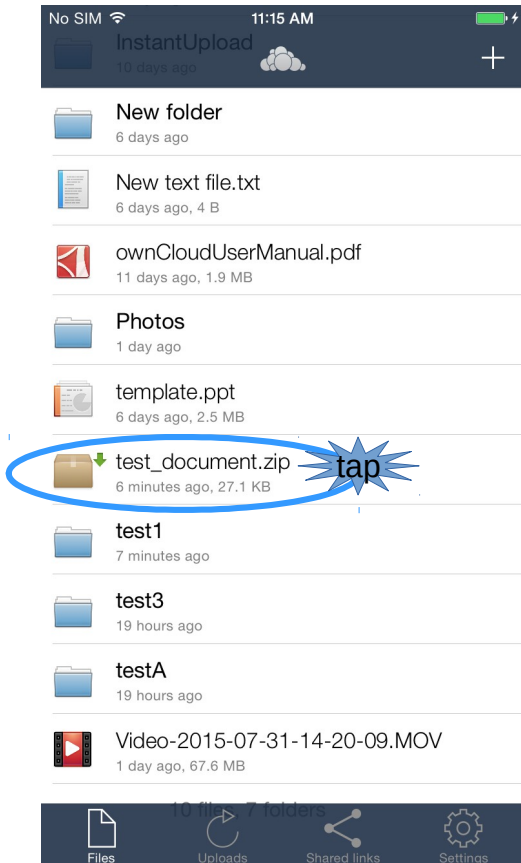
- Now:



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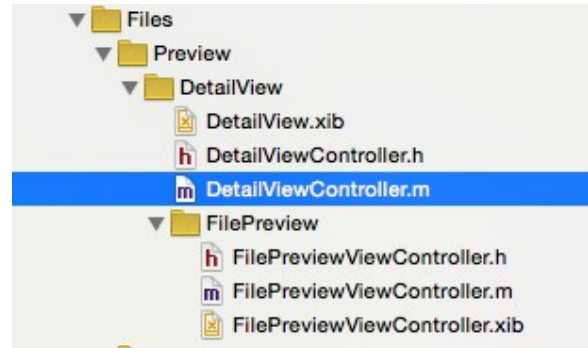
- We want:



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1)Go to Detail View Controller



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2) Modified

- In DetailViewController.m

354	-	<code>if ([_file isDownload] == notDownload) && _typeOfFile != otherFileType) {</code>
354	+	<code>if ([_file isDownload] == notDownload) {</code>

- In FilePreviewViewController.m

480	-	<code>if ([_file isDownload] == notDownload) && _typeOfFile != otherFileType) {</code>
480	+	<code>if ([_file isDownload] == notDownload) {</code>

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3) We are ready to push our changes!

```
git commit -a -m "message"
```

4) Revert first commit about certificates

Search on Git Hub the hash of the commit where we change the certificates. Or using "git log" on the Terminal

```
git log  
git revert #HASH#
```

5) Push final changes

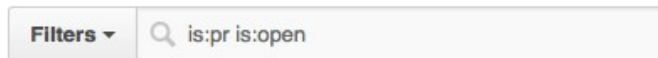
```
git push origin nameMyNewBranch
```

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6) Create new PR

https://github.com/your_user/ios/pulls

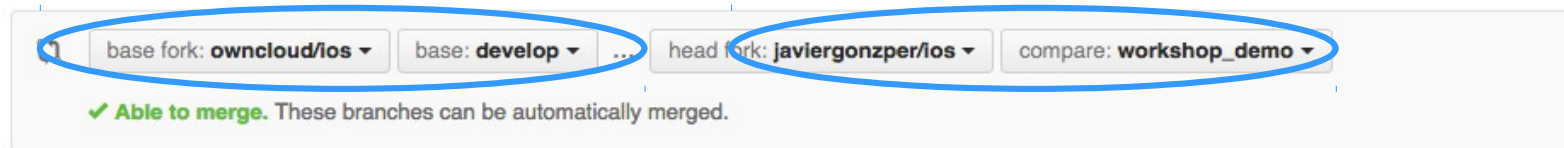


7) Create new PR

https://github.com/your_user/ios/pulls

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).





Thank you!